

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.

Art Unit: ***

1. (Original) Method of detecting the orientation of a radiographic image represented by a digital signal representation characterised in that mathematical moments of said digital signal representation relative to different reference entities are calculated and that a decision on the orientation of said radiographic image is obtained on the basis of an extreme value (maximum, minimum) of the calculated moment(s).
2. (Original) A method according to claim 1 wherein said moment is a cartesian moment which moment weights the digital signal representation by a function of at least one spatial coordinate x or y.
3. (Original) A method according to claim 2 wherein said moment is calculated with respect to a cartesian co-ordinate system the axes of which are substantially parallel to the boundaries of said image.
4. (Original) A method according to claim 1 wherein said moments are two-dimensional moments.
5. (Original) A method according to claim 1 wherein said moments are one-dimensional moments obtained by projecting the digital signal representation of said image onto a predefined axis.
6. (Original) A method according to claim 5 wherein said axis is parallel to one of the boundaries of said image.
7. (Original) A method according to claim 1 wherein a moment is generated with respect to at least one predefined point.

Art Unit: ***

8. (Original) A method according to claim 1 wherein said digital signal representation is a function of at least one derivative of an original digital signal representation.

9. (Original) A method according to claim 8 wherein said derivative is the first order edge gradient.

10. (Original) A method according to claim 1 wherein collimation area are excluded from said digital signal representation.

11. (Original) A method according to claim 1 wherein direct exposure area are excluded from said digital signal representation.

12. (Original) A method of orienting an object in an image represented by a digital signal representation into a desired orientation comprising the steps of
- deriving orientation of said object relative to a reference entity,
- subjecting the digital signal representation of said object to an orientation modifying geometric transformation to yield said desired orientation.

13. (Original) A method according to claim 12 wherein said orientation is obtained according to claim 1.

14. (Currently Amended) A computer program product adapted to carry out the method of ~~any of the preceding claims~~ claim 1 when run on a computer.

15. (Currently Amended) A computer readable medium comprising computer executable program code adapted to carry out the steps of ~~any of the preceding claims~~ claim 1.

Art Unit: ***

16. (New) A computer program product adapted to carry out the method of claim 2 when run on a computer.

17. (New) A computer program product adapted to carry out the method of claim 3 when run on a computer.

18. (New) A computer program product adapted to carry out the method of claim 4 when run on a computer.

19. (New) A computer program product adapted to carry out the method of claim 5 when run on a computer.

20. (New) A computer program product adapted to carry out the method of claim 6 when run on a computer.

21. (New) A computer program product adapted to carry out the method of claim 7 when run on a computer.

22. (New) A computer program product adapted to carry out the method of claim 8 when run on a computer.

23. (New) A computer program product adapted to carry out the method of claim 9 when run on a computer.

24. (New) A computer program product adapted to carry out the method of claim 10 when run on a computer.

25. (New) A computer program product adapted to carry out the method of claim 11 when run on a computer.

Art Unit: ***

26. (New) A computer program product adapted to carry out the method of claim 12 when run on a computer.

27. (New) A computer program product adapted to carry out the method of claim 13 when run on a computer.

28. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 2.

29. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 3.

30. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 4.

31. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 5.

32. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 6.

33. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 7.

34. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 8.

35. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 9.

Art Unit: ***

36. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 10.

37. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 11.

38. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 12.

39. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 13.

40. (New) A computer readable medium comprising computer executable program code adapted to carry out the steps of claim 14.